



Safety Data Sheet

For Compliance with OSHA 29 CFR 1910.1200 and ANSI Z400.1-1998

Alprostadiil USP (Prostaglandin E1)

55-2196

Section 1: Identification

Product Name Alprostadiil USP (Prostaglandin E1)

Commercial Name Not available.

Product Use Not available

Restrictions On Use Not available

Product Code 55-2196

Company PCCA
9901 South Wilcrest
Houston, TX 77099
Phone: 1-800-331-2498
Fax: 1-800-874-5760

In case of emergency contact:

CHEMTREC (24hr) 1-800-424-9300

Section 2: Hazard(s) Identification

OSHA Haz Com: Acute toxicity, oral: category 3
CFR 1910.1200

Signal Word DANGER

Hazard Statement(s) Toxic if swallowed. Suspected of damaging fertility or the unborn child

Pictogram(s) or Symbol(s)



Precautionary Statement(s):

Prevention Not available.
Response P301+310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P308+313: IF exposed or concerned: Get medical attention/advice. P330: Rinse mouth
Storage Not available
Disposal Not available.

Section 3: Composition/Information on Ingredients

Substance/Mixture Substance

Components Alprostadiil USP (Prostaglandin E1)

% By Weight 100

CAS# 745-65-3

Molecular Weight 354.48 g/mole

Chemical Formula C20-H34-O5

Synonym(s) (1R,2R,3R)-3-Hydroxy-2-[(E)-(3S)-3-hydroxy-1-octenyl]-5-oxocyclopentane heptanoic acid

Mixtures

Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
Alprostadiil USP (Prostaglandin E1)	745-65-3	100	Not Available.	Not Available.

Section 4: First-Aid Measures

Inhalation	If inhaled, move person to fresh air. If not breathing, give artificial respiration and consult a physician.
Skin Contact	Wash affected area with soap and water. Consult a physician if any exposure symptoms are observed.
Eye Contact	Immediately rinse eyes with plenty of water for at least 15 minutes. Consult a physician.
Ingestion	Never give anything by mouth to an unconscious person. Rinse mouth with water. Do NOT induce vomiting unless advised to do so by a physician or Poison Control Center. Seek medical attention.
Symptoms/Effects	
Acute	Not available
Delayed	Not available
Immediate Medical Attention	
Not available	

Section 5: Fire-Fighting Measures**Suitable Extinguishing Media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable Extinguishing Media

Not available.

Products of Combustion

carbon oxides

Firefighters Special Equipment and Precautions

Wear self contained breathing apparatus for fire fighting if necessary

Section 6: Accidental Release Measures

Personal precautions: Wear respiratory protection. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. Environmental precautions: Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Method and materials for containment and cleaning up: Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

Section 7: Handling and Storage

Handling: Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Storage: Store in airtight and light-resistant packages. Keep refrigerated at temperature of 2~8°C for long-term storage.

Section 8: Exposure Controls/Personal Protection

Exposure Limits	Contains no components with established occupational exposure limits
Engineering Controls	This product should be handled with personal protective equipment. Avoid inhalation. Avoid all contact. Avoid prolonged or repeated exposure. Wash thoroughly after handling. Wash the skin after the finishing of the work with water and soap carefully.
Personal Protection	Respiratory protection: mask with active carbon filter Hand Protection: chemical-resistant gloves Eye protection: safety goggles Skin protection: protective clothing

Section 9: Physical and Chemical Properties

Appearance	White or almost white, crystalline powder		
Odor	Not available.		
Odor Threshold	Not available.		
Melting Point	110°C- 116	pH	Not available.
Freezing Point	Not available.	Vapor Pressure	Not applicable.
Boiling Point/Range	Not available.	Vapor Density	Not available.
Decomposition temperature	Not available.	Viscosity	Not available.
Partition Coefficient: n-octanol/water	Not available.	Evaporation Rate	Not available.
Flash Point	Not available.	Autoignition temperature	Not available.
Flammability	Not available	Flammability or Explosive Limits:	
		Lower	Not available
		Upper	Not available
Solubility(ies)	Freely soluble in alcohol; soluble and in acetone; slightly soluble in ethyl acetate; very slightly soluble in chloroform and in ether.		
Other	Not available.		

Section 10: Stability and Reactivity

Reactivity	Not available
Chemical Stability	Stable if kept in closed original containers under storage conditions as described in Section 7 Protect from moisture. This substance is stable if stored at 2~8°C. No dangerous decomposition material will form if handled as instructed.
Hazardous Polymerization	Not available
Conditions to Avoid	Not available
Incompatible Materials	Not available.
Hazardous Decomposition Products	Not available.

Section 11: Toxicological Information

RTECS	GY4569800
Acute Toxicity	Acute toxicity 228 mg/kg (rat) Oral LD50 No data available Inhalation LD50 No data available Dermal LD50 No data available
Skin Corrosion/Irritation	Not available
Serious Eye Damage/Irritation	Not available
Respiratory or Skin Sensitization	Not available
Germ Cell Mutagenicity	Not available
Carcinogenicity	Not listed.
Reproductive Toxicity	Not available
Routes of Entry	

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Inhalation: May be harmful if inhaled. May cause respiratory tract irritation. Ingestion: May be harmful if swallowed. Skin: May be harmful if absorbed through skin. May cause skin irritation. Eyes: May cause eye irritation.

Symptoms Related to Exposure

To the best of our knowledge, the chemical, physical, and toxicological properties of this material have not been thoroughly investigated

Potential Health Effects

Apart from ocular irritation and conjunctival or episcleral hyperemia, the ocular effects of this material administered at high doses are not known

Target Organ(s) Not available

Section 12: Ecological Information**Ecotoxicity**

Avoid release into the environment. Runoff from fire control or dilution water may cause pollution.

Persistence and Degradability

Not available

Bioaccumulative Potential

Not available

Mobility in Soil

Not available

Other Adverse Effects

Influence of waste on waste water: Do not let out into water an ecosystem without previous, treatment using suitable biological waste water treatment plant.

Section 13: Disposal Considerations**Waste Disposal**

Product may be burned in an incinerator equipped with afterburner and scrubber. Excess and expired materials are to be offered to a licensed hazardous material disposal company. Ensure that all Federal and Local regulations regarding the disposal and destruction of this material are followed.

Disposal of Container

Dispose of as above.

Other Considerations

Product is not to be disposed of in sanitary sewers, storm sewers, or landfills.

Section 14: Transport Information**DOT Classification**

This substance is shipped under low temperature throughout the transportation process to prolong the product life. The delivery is carried out under blue ice along with dry ice to maintain the low temperature.

Section 15: Regulatory Information**Regulations**

Not available

Other

WHMIS CLASS D-1B: Material causing immediate and (Canada) serious toxic effects (TOXIC); DSCL (EEC) R22- Harmful if swallowed. R36- Irritating to eyes.; Gloves.; Lab coat.; Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate.; Splash goggles.

Section 16: Other Information

The information contained in this safety data sheet has been collected upon the present knowledge available with the utmost care but does not purport to be all inclusive and shall be used only as a guide. Insufficient data are available on the effect of this substance on human health. It is recommended for the user to ensure that this information is complete and sufficient for the specific use of this product. Chirogate International Inc. shall not be held liable for any damage, of whatever nature, that might be caused by the use of this product and/or by the information presently submitted.